

REMARKS


In light of the above amendatory matter and remarks to follow, reconsideration and allowance of this application are respectfully solicited. Claims 1 and 3 have been cancelled. Claims 2 and 4 are clarified. New claim 5 is added, and contains no new matter. Thus, claims 2, 4 and 5 are in this application.

The present amendment to the claims, which is shown more particularly in the attached **"Version With Markings to Show Changes Made,"** is presented merely to clarify features that had been present in the claims prior to this amendment. Accordingly, it is requested that this amendment be entered because it does not present new issues requiring a further search and, moreover, by reason of its clarification, places the present application in condition for allowance.

Claims 1-4 were rejected as being obvious in view of Shimizu (U.S. Patent No. 4,888,512) and Inariba (U.S. Patent No. 4,009,406). During the telephone interview held on December 10, 2002 between the Examiner and applicants' attorney, for which the Examiner is thanked, the Examiner indicated that claim 5 presented herein is distinguishable over the applied combination of Shimizu and Inariba. Per the Examiner's request, Applicant submits that support for the term "magnetic interference" is found throughout the present application at, for example, Figure 3, and lines 8-19 of page 6; and at Figures 5 and 6, and lines 15-20 of page 12 and lines 9-12 of page 13. Accordingly, it is submitted that the present application is in condition for allowance; an early notice to this effect is respectfully solicited

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Respectfully submitted,
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VERSION WITH MARKINGS SHOWING CHANGES MADE

IN THE CLAIMS:

Claims 1 and 3 are cancelled.

Claims 2 and 4 are amended as follows:

2. (Amended) An AC servomotor according to Claim [1] 5, wherein the skew angle θ is equal to half the period of a cogging torque which is determined based on the number of torque ripples per rotation of the rotor determined by the number of magnetic poles of the annular polar anisotropic magnet and the number of slots in the stator-side iron core.

4. (Amended) An AC servomotor according to Claim [1] 5, wherein the predetermined angle θ' is approximately $4/3$ times the skew angle θ which corresponds to half the period of a cogging torque determined based on the number of torque ripples per rotation of the rotor determined by the number of magnetic poles of the annular polar anisotropic magnet and the number of slots in the stator-side iron core.